April 12, 2006

DEPARTMENT OF DEFENSE

COUNTER - NARCOTERRORISM

TECHNOLOGY PROGRAM OFFICE

~~Industry Day~~

~~DOUGLAS W. OCHSENKNECHT~~

PROGRAM EXECUTIVE

DoD Counter-Narcoterrorism Technology Program Office

Navy

- Executive Agent for DoD Special Operations Low Intensity Conflict Counternarcotics

NSWCDD

- Program Executive Office executes DoD Counter-Narcoterrorism Technology Program for Navy

Goal

- Develop and deploy solutions globally to disrupt, deter, and deny the flow of drugs, people, information, money, and weapons related to Narcoterrorism

Chartered Expertise

1995 Counterdrug

NOV-04-99 11:40 FROM: PAGE 1/1

OFFICE OF THE DEPARTMENT OF DEFENSE COORDINATOR
FOR DRUG ENFORCEMENT POLICY AND SUPPORT

1510 DEFENSE PENTAGON
WASHINGTON DC 20301-1510

MEMORANDUM FOR UNDER SECRETARY OF THE NAVY (ATTN: N313)

SUBJECT: Defense Counterdrug Technology Development Program

With the reorganization of the Advanced Research Projects Agency (ARPA), it has become desirable to relocate the executive program management of our Counterdrug Technology Program from ARPA to another technology development organization. As you are aware from previous correspondence, we initially discussed such a move with the Office of Naval Research. Subsequently, we discussed the relocation of the program with the senior management of the Naval Surface Warfare Center, Dahlgren Division (NSWC/DD), and they indicated their interest in assuming responsibility for the program. Consequently, we have made the decision to relocate the program from ARPA to NSWC/DD as soon as practical in FY 1996. In this context, we are designating the Navy as the Executive Agent for the management of the DoD Counterdrug Technology Program.

Our role in the Technology Program will continue to be that of a strong program sponsor—interfacing with Congress and providing funding, oversight, policy, and general program direction. As with all DoD CD funding, the technology program funds are included in the funds appropriated to the DoD CD Central Account by Congress. Starting in FY 1996, the Technology Program funds will be transferred to the new Executive Agent, the Navy, through the normal reprogramming process.

As discussed with and agreed to by the NSWC/DD staff, we are moving both the program and the current ARPA program manager, Mr. John Pennella, to NSWC/DD. In this context, we have allocated four counterdrug ceiling points to the Navy for the technology program starting in FY 1996, one of which will be encumbered by Mr. Pennella.

We look forward to the long-term, continued success of the Counterdrug Technology Program under the Executive Agency of the Navy and NSWC/DD.

Mr. Lennard Wolfson, my Director for Demand Reduction and Systems, can provide additional details regarding the counterdrug technology program and the transfer. He can be reached at (703) 693-1917.

Brian E. Sheridan
Deputy Assistant Secretary for
Drug Enforcement Policy and Support

2003 Counter-Narcoterrorism

OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
WASHINGTON, DC 20301-2500

SPECIAL OPERATIONS/
LOW INTENSITY CONFLICT

MEMORANDUM FOR: TECHNICAL DIRECTOR, NAVAL SEA SYSTEMS COMMAND
DIRECTOR, HOMELAND DEFENSE AND FORCE PROTECTION PRODUCT AREA, NAVAL SURFACE WARFARE CENTER, DAHLGREN DIVISION

SUBJECT: Counter-Narcoterrorism Technology Program Office Name and Charter

Reference is made to Deputy Secretary of Defense Memorandum dated July 31, 2002 and Office of the Assistant Secretary of Defense Memorandum dated Oct 23, 2002.

The DoD Counterdrug Technology Development Program Office (CDTDPO) mission to develop counternarcotics technology has expanded over the past five years to include applied technology support. CDTDPO is also adapting to meet growing technology needs of the Combatant Commands as their missions reflect current policy emphasis on counter-narcoterrorism. To recognize this, I am officially changing the CDTDPO name to DoD Counter-Narcoterrorism Technology Program Office (CNTPO).

The new CNTPO charter is to develop and deploy technology that aids disrupting, deterring and denying the flow of drugs, people, information, money and weapons related to illegal drug trafficking and narcoterrorism. ODASD(CN) guidance and Combatant Commanders' requirements will form the basis for carrying out the CNTPO charter and drafting your yearly Program Objective Memorandum (POM) submission.

Robert J. Newberry
Principal Director for
Counternarcotics

World-Class Partners

Academia

- West Virginia University
- University of Tennessee
- University of Virginia
- University of Miami
- Rutgers
- Florida State University
- [redacted] Community College

National Labs

- Argonne National Laboratory
- Los Alamos National Laboratory
- Oak Ridge National Laboratory
- Sandia National Laboratory
- Pacific Northwest Laboratory

Government

- Department of Defense
  - Navy
  - Army
  - Air Force
  - Marines
  - All Combatant Commands
  - MDA
  - Transportation Engineering Agency
  - DTRA
  - DARPA
  - Chemical and Biological Defense Program
  - NGA
  - JIATF-S
  - JIATF-W
  - Office of Naval Research
  - Air Force Research Lab
- Department of Homeland Security
- Department of State
- National Communications Systems
- FBI
- National Institute of Justice
- DEA
- Office of National Drug Control Policy

Partner Nations

- Colombia
- Uzbekistan
- Tajikistan
- Bolivia
- Peru
- Afghanistan
- United Kingdom

Business Process

Requirements	Total Systems Analysis	Develop Plan	Execution	Transition
▪ COCOM ▪ Symposium	▪ Cost Benefit Analysis ▪ Prioritization ▪ DASD Approval	▪ Performer ▪ MOA/MOU ▪ SOW	▪ Design Review ▪ Prototype ▪ Test ▪ Preproduction/Limited Procurement ▪ Field Demonstration	▪ Training ▪ Sustainment (OM&N)
1 month	1 month	2 months	18 months	12 months

Provider Community

Technology (TRL 7-9)

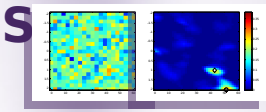
- Academia
- Industry
- Government Laboratories
- International Allies

Weapon Systems Acquisition

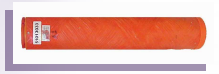
Training and Sustainment

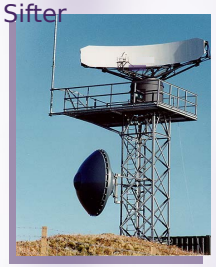
Technology Deliverables

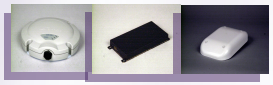
Wide Area Surveillance



Before Sifter / After Sifter



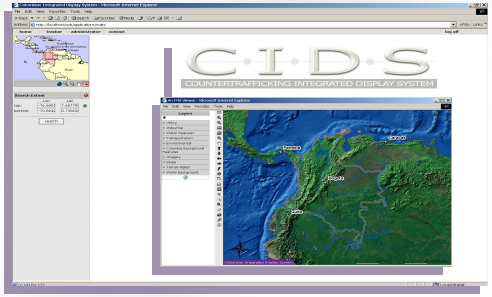


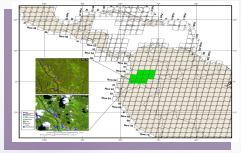


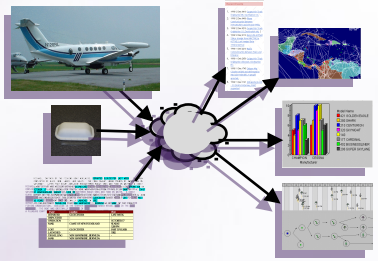
- Declutter for radar systems
- Maritime drug marking systems
- HFSWR evaluation
- Coalition support tech
  - Aeronautical beacon
  - Beacons installed on helicopters in Afghanistan, Uzbek

- Hand emplaced unattended ground sensors
- Maritime microwave radar with EO/IR fusion
- OTH radar enhancements (ROTHR and CODAR)
- Contractor Owned/Operated airborne ISR platforms

Interdiction & Analysis







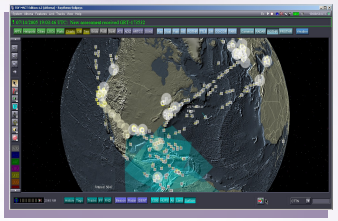
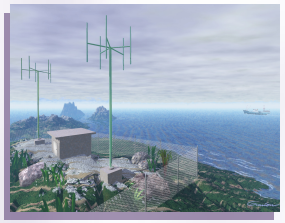
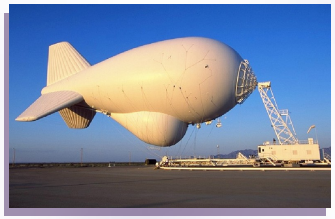
- Web-based analytic tool suite
- Surveillance technology display system
- Counter-trafficking integrated display system
- Commercial imagery detection capability
- Small craft running gear entanglement system
- Personnel disablement technology

Special Projects

- Afghanistan airlift
- Uzbekistan boats
- Surveillance deployment support
- Night Vision Goggles
- Aircraft upgrades & training
  - MI 8 MTV1
  - Schweizer
  - A37
  - AC47
  - COLNAV Bell Helos
  - NAVAIO

Exportable Technology Development

Surveillanc

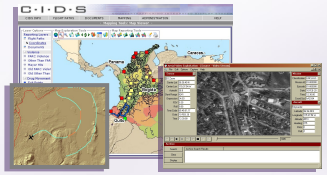
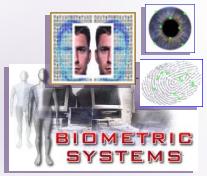
- Integrated Systems: Multiple Domain Awareness (ATHENA)
- New capabilities for tactical and long-duration UAVs
- Low-cost, OTH-capable HFSWR (Codar)
- Releaseable, long-range acoustic detection
- Foliage penetrating detection capabilities

- Cargo inspection system
- Man portable inspection system
  - -Chemical weapons – money – radiological – drugs
  - -Bulk and t

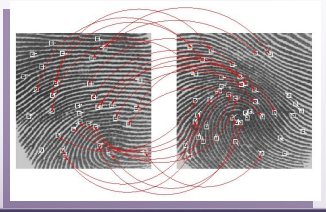
Coalition Surveillance Technologies

- Covert passive material detection
- Miniaturized satellite-based position monitoring devices
- Counternarcotics acoustic buoy
- Sensors cued to imagery
- Air deployed ground sensors
- Standoff monitoring device emplacement
- Nanotechnology integration

Knowledge Systems

- Trafficking infrastructure and network detection
- Common operational picture
  - Integrated data distribution
  - Spatial multimedia
  - Track-based data display
- Tactical Biometrics

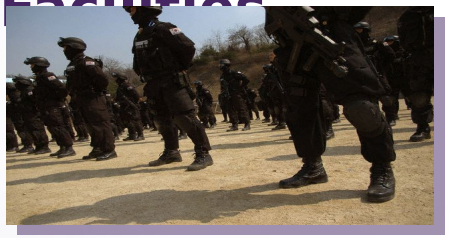


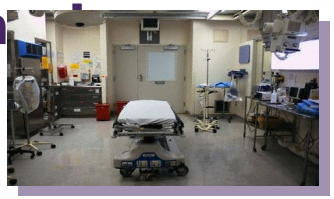
Afghanistan Support

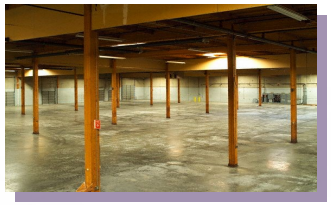
Air Mobility and Lift

- CO/CO Lease of 2 MI 8-MTV1 helos
- 6 months at 100 hours per month
- FY04-Refurb 3 MI 8-MTV1 helos
- FY05-Refurb/Procure 6 MI8-MTV1 helos

Interdiction Unit Training, Equipment, Public Affairs, a… Facilities







- Train 130 Afghans in CNT operations
- Clinic facilities and storage of CNT equipment
- Provide basic equipment, weapons, medical, communication, logistics, and intelligence operators/trainers
- Public Affairs

Helo Maintenance and Pilot Training

- Helo maintenance, spare equipment, and tools
- Train pilots and maintenance crews
- Provide contract pilots and maintainers

Colombian Support

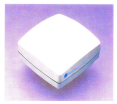
Aircraft Refurbishment &

- Upgrade and integrate 20 A-37 ACUP airc
- Integrate Night Vision compatible cockpits in various aircraft
- Upgrade 4 COLNAV Bell 412
- Refurbish 1 Piper Navajo
- Upgrade 1 Bell 212
- Upgrade the AT-27 to full Night Vision compatibility
- Upgrade AC-47

Training

- Provide 12 month pilot training assistance
- On-the-job training and real-time communications support
- Apply existing simulations to allow COLMIL intra-service training for joint operations

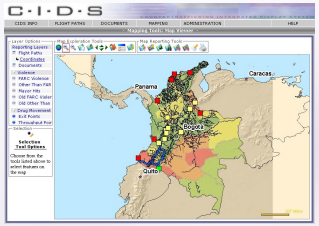
Tracking Assets

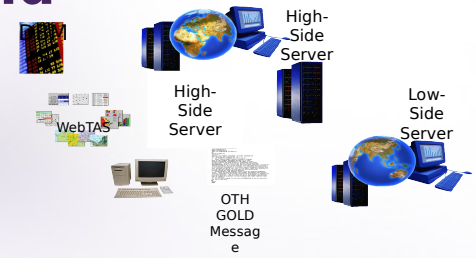


Maritime and Aircraft Beacons

- Provide organic air-to-air tracking
- Sustain 6 Schweizer aircraft
- Provide real-time maritime tracking
- Develop a cooperative GPS, Satcom beacon for aircraft
- Provide Co/Co capability for source zone CD operations

Command and





- Provide command & control tool to create, manipulate, integrate and share geo-referenced information
- Web architecture w/ secure remote connections
- Design, build and test a computing architecture which allows one-way unclassified to classified serving of dynamic data sources